

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

The effect of repetitive transcranial magnetic stimulation (rTMS) in reducing severity of the signs and symptoms of depression in patients with recurrent major depression disorder.

Protocol summary

Summary

Abstract : Objectives : The purpose of this study was to investigate the effectiveness of rTMS (repetitive transcranial of magnetic stimulation in reduction the signs and symptoms of recurrent major depression. **Method :** Using a quasi experimental , pretest - posttest design with control group ,the statistical population were persons with recurrent major depression and the inclusion critria were:recurrent major depression,age between 20 to50 , 20 or upper scores in beck scale ,under drug treatment and psychotherapy and exclusion critria were sezieure and brain damage ,bipolar or psychosis,psychothrophic addiction ,pregnancy, having metal in head , dental implant,Heart pacemaker. A sample consisting of 32 patients who had recurrent depression on the basis of SCID & BDI& Hamilton scales and were randomly assigned to two groups. The experimental group underwent 20 sessions of rTMS as the independent factor and both groups (control &experimental) had 12 session psychotherapy and drugs treatment .Upon the intervention , both groups were tested with triplex tests. To determine the effect of the indepenndnt factor on the dependent factor of rTMS. **Results :** The comprise between pre &post test of all the tests showed the reduction of signs & symptoms of recurrent depression in participants.

General information

Acronym

IRCT registration information

IRCT registration number: **IRCT2012123111953N1**

Registration date: **2013-01-17, 1391/10/28**

Registration timing: **retrospective**

Last update:

Update count: **0**

Registration date

2013-01-17, 1391/10/28

Registrant information

Name

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Name of organization / entity

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Recruitment status

Recruitment complete

Funding source

Rehabilitation &Welfare University

Expected recruitment start date

2011-06-22, 1390/04/01

Expected recruitment end date

2012-06-21, 1391/04/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

The effect of repetitive transcranial magnetic stimulation (rTMS) in reducing severity of the signs and symptoms of depression in patients with recurrent major depression disorder.

Public title

The effect of repetitive transcranial magnetic stimulation (rTMS) in recurrent major depression disorder.

Purpose

Treatment

Inclusion/Exclusion criteria

Inclusion criteria: recurrent major depression based on psychiatrist visit and SCID; 20 to 50 years old; 20 or above in beck scale; They treat with drugs & psychotherapy Exclusion criteria: The history of brain damage or seizure; The history of bipolar or psychosis; Psychotropic drugs addiction; pregnancy; Having metal in the head, Heart pacemaker, dental implant

Age

From **20 years** old to **50 years** old

Gender

Both

Phase

N/A

Groups that have been masked

No information

Sample size

Target sample size: **32**

Randomization (investigator's opinion)

Randomized

Randomization description

Blinding (investigator's opinion)

Not blinded

Blinding description

Placebo

Not used

Assignment

Parallel

Other design features

Secondary Ids

empty

Ethics committees

1

Ethics committee

Name of ethics committee

Rehabilitation & Welfare University

Street address

koodakyar Str.-Daneshjo Bulvar-Evin

City

Tehran

Postal code

1985713834

Approval date

2011-06-12, 1390/03/22

Ethics committee reference number

6730

Health conditions studied

1

Description of health condition studied

depression

ICD-10 code

F33

ICD-10 code description

Recurrent depressive disorder

Primary outcomes

1

Description

signs and symptoms of depression

Timepoint

before and after intervention, weekly

Method of measurement

beck, hamilton

Secondary outcomes

1

Description

increase social function

Timepoint

before and after intervention

Method of measurement

SASS

Intervention groups

1

Description

TMS, 20 sessions + psychotherapy (cognition behavioral, 12 sessions) + fix drugs

Category

Treatment - Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Atiyeh center

Full name of responsible person

Khomami- Sanaz- doctoral student

Street address

City

Tehran

Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Rehabilitation & Welfare University

Full name of responsible person

Ms. Rajabi

Street address

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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Rehabilitation & Welfare University

Proportion provided by this source

100

Public or private sector

empty

Domestic or foreign origin

empty

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

empty

Person responsible for general inquiries

Contact

Name of organization / entity

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

empty

Study Protocol

empty

Statistical Analysis Plan

empty

Informed Consent Form

empty

Clinical Study Report

empty

Analytic Code

empty

Data Dictionary

empty